Forest Insect & Disease Management

REPORT NO. 80-3-8

Issued on: March 21, 1980

AERIAL DETECTION SURVEY ON FOREST INSECT AND
DISEASE ACTIVITY, CLARK HILL RESERVOIR, SOUTH CAROLINA

LAND OWNERSHIP OR SURVEY AREA: Corps of Engineers, Clark Hill Reservoir

STATE: South Carolina

AREA WITHIN SURVEY BOUNDARY: 71,533 acres

DATE: February 27, 1980

PERCENT COVERAGE: 100%

CREW: E. T. Wilson, W. A. Carothers

REPORT PREPARED BY: W. A. Carothers

SURVEY OBJECTIVES

(1) To detect the presence of forest insects or diseases which threaten the timber resources within the survey area. (2) To accurately map the location of southern pine beetle infestations.

SURVEY RESULTS

Eighty-one spots of dead or dying pines were observed. Sizes of the spots ranged from 1-100 trees per spot. A total of 282 dead or dying pines were observed (Refer to tables).

CONCLUSIONS

Ground checks of the spots of dead and dying pines will be conducted by the Asheville Field Office. Concentrations of suspected southern pine beetle spots were observed west of Raysville and near Cherry Hill along the eastern edge of Clark Hill Lake. During 1979, the populations of southern pine beetle throughout the South drastically increased, particularly in Georgia and South Carolina. After the ground checks have been completed, recommendations will be made that should minimize the losses due to destructive forest insects and diseases. Field surveillance by Corps of Engineers personnel should continue. For further information, contact

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SOUTHEASTERN AREA, STATE & PRIVATE FORESTRY
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Table 1. Size Categories of Suspected Southern Pine Beetle Spots.

	Spot size categories (# of trees)				
	1-10	11-25	26-50	51-100	101+
No. of spots	62	15	2	2	0

Table 2. Total Number of Affected Trees by Spot Size Category on the Clark Hill Reservoir.

	Spot Size Category				
	1-10	11-25	26-50	51-100	101+
Total Number of Affected Trees	280	303	70	175	0